JOURNAL OF

NOURNAL OF ACRICULTURE he N. E. Agricultural Society SHEAR BUILDING.

hatreet. (cor. Devenshire BOSTON. voles Ploughman

othe PLOUGHNAMI & 20 centsa year

NEWSPAPER DECISIONS.

# Ditorial.

## DECEMBER ON THE FARM.

is that have not more or less bouldnaining in the mowing fields that are evesore, but a real obstruction use of improved implements of agre, that to all progressive farmers ecome a necessity. Now is a good to dig around them, and pry them out, to their removal on stone boats rags, when the ground is covered with a inches of snow, or if too large for that, nwbar, and discharged, the rock may be only easily thrown out, but broken into ments sufficiently small for removal. not be done at a season when the cultiion or harvesting of crops demand the

show plough.

Intent in making improvements on the farm taget the mote important opportunity of improving himself. The Country which commences at Bridgewater, on the 6th of this month, offers the very best opportunity for social improvement, and to widen the circle of acquaintance manage the best and most progressive farmance important policy of the State. The strain form all parts of the State; the attendance is increasing yearly, for those who have once enjoyed the privilege of this menting are unwilling to forego it. This is stain for too constant application to one's basiness, in these times of exciting rapidity.

Mes engaged in all other pursuits feel that it should be entirely preventally when he can at the same time educate important to poportunity when he can at the same time educate important opportunity. The temperatory is given.—[Ed.]

KEEPING ROOTS FOR FAMILY USE.

To keep roots well, a cellar should be scall at its very easy to injure a cow by giving either in large quantities. We should not advise feeding large quantities of Cotton Seed Meal to mile ho cow, but from a pint to a quart a day, according to the age and size of the cow, very much increases the flow of milk, and so far as we have been able to discover, has not injured the easy of make the easy of make the easy of milk, and so far as we have been able to discover, has not injured the easy of milk, and so far as we have been able to discover, has not injured the two outsets from the stain of which is, packing in sand. While other materials in the coupation.

Beed Meal It is very easy to injure a cow by giving either in large quantities.

To keep roots well, a cellar should be sealed on mile of month of the same and never can pay. The sealed of mile of the cow, very much increases the flow of milk, and so far as we have been able to discover, has not injured the outself of the cow, very much increases the flow of milk

tion, and every farmer should endeavor to lay down a field in a more fertile condition than when he ploughed it up.

## THE 8NOW PLOUGH

Every farmer who has not already done o, should at once provide himself with a mall one-horse snow plough. But few labor work, or save the performance of more disagreeable hand labor than a snow plough, which any farmer can make in a few hours. On many farms, the labor during the winter, On many farms, the labor during the winter, of frequently digging long lines of paths to the public road, and betwen the farm buildings, makes serious inroads on the time of the farmer, if he attempts to do it himself, and if he leaves it for the hove to do before and it is the most natural way, and undoubtedly it becomes a necessity. farmer, if he attempts to do it himself, and it well bedded so as to keep the calves clean, if he leaves it for the boys to do, before and it is the most natural way, and undoubtedly

hand labor required hours of hard labor to dig, are, with the horse and plough, dug in sheep if it is within their reach, and if it is for if there be no love for it at the outset, if a few minutes, and the boy sits on the plough not, they cannot eat the poor. As the calves is better to let it alone. In such a case the

plough is to take two boards, from twelve to Editor Massachusetts rloughman: fifteen inches wide and four feet long, nail cing a cartridge of giant powder or niteen inches wide and four feet long, nail the two ends together and spread the other the min a hole made with a the two ends together and spread the other seed Meal for milch cows, also the quantity ends thirty inches apart, making them the to be fed with shorts per day. shape of a V; confine them in place with boards nailed across the top, and by a board

why should not the farmer as well, espe-dally when he can at the same time educate important that it should be entirely preventbinself in his calling? Farmers, do not ed from growing. Whatever substance it 19 at this opportunity escape you, for there packed in, if it does not prevent its growth 104 may gather much material to take to it is not what it ought to be to keep the turour local Farmers' Club, for further con- nipe. If the top of the turnip be cut off below the partially developed buds it deprives Feeling Cattle.—It is usually considered it of its power to grow, and if in this state the better economy to feed out the poorer it be kept in the dark, and protected from about the absolute cleanliness required in dairy utensils and the influence of such cross-breeding should be avoided. of the winter, reserving the best and finest | time. Turnips or paranips, thus cut, may be | neatness upon the quality of the butter:

quality to be fed towards spring, when from the draft made upon the animal economy by

None of the best materials in which to pack

"It is hardly necessary to say that wherever the finest butter is made the milk-

# Questions & Answers.

All questions to the Easter, desiring answ ugh the Ploughman, should be ac

# TYING UP CALVES.

Editor Massachusetts Ploughman: Will you please give me your opinion in regard to tying up calves? Some say tie them up, others let them go with the sheep, and others turn them into a pen by themselves, and litter them well, and they will do

after school, it makes serious inroads on a better way, than tying them up, but if one their patience and good nature, and gener- is pressed for room, or has but a limited the Houltry Interest ally requires positive orders from the father every time it snows, to get them to bend if tied up with a halter, if they have been their backs to the disagreeable work, if it is accustomed to be led and tied; if not, they to be done by hand labor with a shovel. But will at first be very uneasy. It is always with a horse and snow plough, how wonder- best to accustom calves to the halter when ful the change; the father no longer has to scold, coax, or even remind the boys that the paths are to be dug, but as soon as the snow begins to fall the boys are pleading for the privilege of getting out the horse and ambs, for when the lambs are the shore privilege of getting out the horse and the property of getting out the horse and the shore privilege of getting out the shore pri scow plough. The question is no longer which boy shall be required to clear the paths, but which shall be permitted the pri-

Winthrop, Nov. 22d. 1881. ments sufficiently small for removal.

mps may be thrown out and aplit in the eway, with small expense, thereby makreal and permanent improvements, that

ments sufficiently small for removal.

While a large number of dairymen besome sitters must be kept to incubate the lieve that Cotton Seed Meal is very injurity to the store is no breed so good as the Light probability of the cow, and will not be kept to incubate the lieve that Cotton Seed Meal is very injurity to the store is no breed so good as the Light probability of the cow, and will not catch the stores; near the dand permanent improvements, that on the date the fetches; near the foot be done at a season when the cultiment of the form and the left force of the farm.

It sitters are the fowls to be kept, then choose, where a good supply of eggs is who have used it for years, and insist that it does not injure a cow any more than indicate, either the Dorking Games, Dominiques, or other European class adapted for it on, and the plough is complete. The labor is so simple and the cost so small that there is no excuse for a farmer being without a snow plough.

Brahma. If sitters are the fowls to be kept, then choose, where a good supply of eggs is who have used it for years, and insist that it does not injure a cow any more than indicate the force of the farmer.

Brahma. If sitters are the fowls to be kept, then choose, where a good supply of eggs is who have used it for years, and insist that it does not injure a cow any more than indicate the footies, where a good supply of eggs is who have used it for years, and insist that it does not injure a cow any more than indicate, either the Dorking Games, Dominiques, or other European class adapted for this purpose, but do not stock with Asiatics if the desire be for either pounts of the force, where a good supply of eggs is who have used it for years, and insist that it does not injure a cow any more than indicate, either the Dorking Games, Dominiques, or other European class adapted for the stock with Asiatics if the desire before either pounts. without injury, than can be fed of Cotton seed Meal. It is very easy to injure a cow season, when chickens are not especially desirable. They are little except bone in the

# Che Dairn.

## CARE OF DAIRY VESSELS. Prof. Arnold has the following to say

that pays, and forgetfulness of this one thing is where so many people find figures deceiving in calculating the profits and losses of an Eastern farm. In ancient times people had great faith in fallows, as a preparation for the next year's crop. The land would lie idle the whole summer, the resting being a supposed benefit to the crop of next year. The product of that land was of course a loss, but it aided in the common fund. It is about thus with the Eastern corn crop. It may not pay directly; but it corn crop. It may not pay directly; but it has so much influence on making other things profitable, that no Eastern man could afford to do without it. Of course the nearer every crop can be made to pay it own way the better. It does no one an

# ADVICE FOR THE NOVICE.

[Cor. Albany Cultivator.] rilege of doing it. All of the paths which by but on the other hand, they will be sure to view the probable cost. Secondly, consider and labor required hours of hard labor to get a large share of the best hay given the a few minutes, and the boy sits on the plough and rides, and enjoys it so well that he is not satisfied to stop until he has cleared all of the paths on the farm, and also to the neighbors on either side.

A cheap and easy way to make a snow plough is to take two boards, from twelve to fifteen in paths on the paths on the farm, and also to the neighbors on either side.

COTTON SEED MEAL.

Cotton Massachusetts rloughman:

Editor Massachusetts rloughman: best suits the fancy, and at the same time ributes to the utility of the business.

one of the non-sitting varieties may be chosen.

When the non-sitters are mainly kept,

ciples be carried out and im

proved on as seen fit, there will be no cause of failure. Finally, do not overstock, but give ample room. Neither mix a large and small breed together, but as nearly as possi-ble equalize the fowls, keeping them about even. The practice of cross-breeding may be of benefit in raising poultry for market,

And the street marked and the street street in the street

# vines being exposed to the air. Do not cover with straw or leaves, on account of danger from mice. PACKING AND SHIPPING APPLES

Mr. G. F. Newton, Millersburg, O., gave the following instances from his experience in a paper read before the Ohio Horticultural Society: ral Society:

On one occasion I shipped 20 barrels of apples to a customer, during the holidays. The weather was mild when I shipped, but fearing it might turn cold. I lined each barrel with two thicknesses of paper. They were detained by mismanagement, in transit,

death. But people are supposed to have a been easier to grow. We presume that the should be bred.

# "SMALL FRUITS."

# Stock Depantment.

# BREEDING IMMATURE ANIMAL

A Breeder, in Ohio Farmer. ] In reply to the questions in an article on 'Small Fruits," written by our correspondent "John Green," and published in the Ploughman of Nov. 19, we would say; the the writer is evidently well informed in the business of growing small fruits, and we have no doubt that an article containing his experience, would not only be interesting but profitable reading for our readers.

It is important that a domestic animal that was a state of the well of the possibility of producing their kind is no guarantee of the wisdom of allowing this. Horses, cattle, and sheep, but most especially hopeful that the well of the profit of the possibility of producing their kind is no guarantee of the wisdom of allowing this. Horses, cattle, and sheep, but most especially be considered. It is important that a domestic animal that we have the well as the profit of the possibility of producing their kind is no guarantee of the wisdom of allowing this. Horses, cattle, and sheep, but most especially of the possibility of producing their kind is no guarantee of the wisdom of allowing this. Horses, cattle, and sheep, but most especially of the possibility of producing their kind is no guarantee of the wisdom of allowing this. Horses, cattle, and sheep, but most especially hops are the profit of the possibility of producing their kind is no guarantee of the wisdom of allowing this. Horses, cattle, and sheep, but most especially hops are the profit of th

# causes the death of the animals supposed to die of lombris. He asserts that the sufferers have all the symptoms of this ailment, are exposed to every predisposing cause of chronic constipation, and the dissecting knife discloses the fact that the grass in

# Porcine.

their little stomachs is almost destitute

Trest.

as you sent your fineds, I never as wa spites come out of a barrel in such fine coult of a barrel in the such as the

the body is at glight temperature, and the body is an attempt to the body is an att its best unless properly cared for, not pam- air chilling it. In the rebound of northern

# Correspondence.

## Written expressly for the Mass. Ploughman THE PHILOSOPHY OF LATE SPRING AND EARLY FALL.

## [From our Southern Correspondent.

To the Editor Massachusetts Ploughm A cold spasmodic winter like that of 1880-81 is a sure forerunner of a late spring. From what I gather from the press of the toher and November of the same year. This theory of course must be based upon that it frequently happens that there is sufficient similarity in the comparison to mislead

# The Ploughman. out off from all knowledge of the world and its deings. If they live to return, they

The British Parliament will meet on th 7th of February, 1882.

Indictments against star-route contractor continue to be found. The Atlanta cotton exposition

kept open for another month. Five hundred delegates were in attend. carry the profound influence of it with ance on the tariff convention in New York them to their latest days. Niany a deni-

on the first day. Some five thousand names have been of the obstructions to a high habit of living. added to the voting lists of the city since

the State election. The Virginia readjusters find that they Of the Massachusetts State Board of will have a majority in the Legislature of twenty-two on joint ballot.

Bismarck has been vigorously defending his policy in the German Reichstag, at times giving way to great excitement.

This is the opening of winter. The au- expected that the meeting will be one of int tumn left us in one of the blandest days increased interest, from the fact that public scandal is thus kept from the public. known in November experience.

The French republicans have proved vic- of influences is combining to advance it to tors in the recent Senatorial delegate elec- the most important place in the list of intions, carrying twenty-five out of the thirty- dustrial callings. When it was first pro-

rienced terrific weather on her recent pas- of the State, with a view principally to arge out from New York. The saloon was making ideas in farming the close ally with flooded with three feet of water.

city, the largest receipt for a season of four there would be nothing like a practical as-

by himself is anything but an interceting one, but it may be taken for granted that he has a contract that he has a contract to the famous painter, who, on being asked one, but it may be taken for granted that he has a contract to the famous painter, who, on being asked has face.

one, but it may be taken for granted that he by a younger brother of the brush what he made the most of his rare opportunity. It mixed his colors with, answered with ener- emaciated, and his voice is weak. took two sessions of the court to draw his getic promptness,-" With brains, sir." It miserable story out of him. At the present rate, it is estimated that callings in life, and perhaps in no calling

amount to fully \$157,000,000. During the past five years, \$602,310,797 30 have been collected from internal taxes, and the entire collected from internal taxes, The directors and larger stockholders of a permanent lodgment, whose result was the Pacific National Bank of this city held the institution of the Country Meeting by

a meeting on Tuesday afternoon last, at the State Board of Agriculture, and its which a committee of four was appointed to rapid spread and establishment all over the present the condition of the bank to the State, under the auspices of its parent and ockholders. An examination of the promoter. Local "country meetings" are bauk's assets is progressing while this para- now held in every County, attracting cultivators from the remotest points, and bringgraph is penning. ing all into a social and intellectual fellow-

Kansas has been stirred up by the cur- ship around farming as the centre of interrent crookedness in banking, several private est. That single idea of elevating the rent crookedness in banking, several private banking establishments having recently suspended under questionable circumstances. That single idea of elevating the business of farming to a truly and distinctly intellectual level, has already produced the business of farming to a truly and distinctly intellectual level, has already produced the best of fruit for the Commonwealth.

The president and cashier, after ariest, were captured from the sheriff by a mob, and held under a threat of hanging, unless colleges germinate and apring into active come over here.

Sale by A. Williams & Co.

An old physician, retiring from active practice, hasing the business of farming to a truly and distinctly intellectual level, has already produced the business of farming to a truly and distinctly intellectual level, has already produced the best of fruit for the Commonwealth.

It is out of ideas like this that agricultural colleges germinate and apring into active of forming year.

The mem military estimates for Germany, soldier-ridden as it aircady is, include pay for frontispiece a beautiful etching. The Fisher Folks' Harvest; A Brighton Treasure-House opens the number, with fine illustrations of commonwealth.

Sale by A. Williams & Co.

An old physician, retiring from active practice, having had placed in his hands by an East of fortinspiece a beautiful etching. The Submit of frontispiece a beautiful etching. The Submit of frontispiece a beautiful etching. The Submit of frontispiece a beautiful etching. The speedy and permanent common opens the number; having had placed in his hands by an East of frontispiece a beautiful etching. The speedy for the speedy and permanent common opens the number, which is the first of frontispiece a beautiful etching. The speedy for frontispiece a beautiful etching. The speedy for frontispiece a beautiful etching. The speedy for the s they made an immediate settlement with existence, and agriculture claims and ob-

## FARMING IN THE SOUTH.

The tendency at the South is manifestly toward small farms, worked by their owners, who likewise occupy them. We shall know more about the situation of things in this respect in that section, after we get all the figures of the tenth census. They will inevitably help to overthrow not a few theoretic and establish some others, regarding the influence of free labor, not as much on the methods as on the size of Southern farms. When the war ended, the owners of from one to four thousand acres saw that

## READ AND RUN.

The nutrition and feeding of stock is an

men think so important they will care no really have in our lives, which are nevertheless chiefly consumed with them. What mental rest and tranquility will not these men achieve in their solitary life of one

year in these far-off regions! They will fee. zen of civilization might well envy them the opportunity of getting clear for a time

- It will cost two hundred thousand dollars Bridgewater is on the Old Colony Rail-

THE "COUNTRY MEETING"

Agriculture.

the farming economies.

To prepare a suitable pedestal for Bartholdi's road. The trains from Boston are frequent. To reach there in time for the morning lectures, one the entrance of New York harbor. the entrance of New York harbor. The Massachusetts State Board of Agri-- France is not going to persist any longer in ulture will hold its annual "Country its refusal to import American pork. s refusal to import American pork.

— The Baroness Burdett Coutts has averted the sixty-fourth volume. Its contents are—
Upon Sappho; The Bernadottes; Pre-science; Meeting" at Bridgewater next week, on Tuesday, Wednesday and Thursday. It is litigation by voluntarily relinquishing her large Journalistic London, third paper; Among Our

attention is more than ever directed in Massachusetts to agriculture, and a variety Hartford were kept in codifinement after their Champney; and the usual Editor's Department. It is an extraordinarily attractive number. posed by Marshall P. Wilder thirty years efore scattering through the country. ago to hold these meetings in different parts For sale by A. Williams & Co.

- Victoria, in Australia, is going to borrow of the State, with a view principally to making ideas in farming the close ally with physical labor, and to impart a higher intellectual and social tone to the farming the tellectual and social tone to the farming to such of the directors as happened to be present, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm.

The illustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm, and the writers are favorites. I'mong them are, the flustrations are numerous and brillirm.

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The illustrations are numerous and brillirm.

The illustrations are numerous and brillirm.

The illustrations are numerous a second twenty millions of dollars. of tickets for the Patti concerts in this was a more real thing than intellect, and not believe much in the future for them.

sociation between them, many farmers, The annual convention of the National Butter, Cheese and Egg Association began mind had little to do with matter, and that Doctor Antonio.

— There are reports in Cambridge that the

for the childish pleasure, but it is done with a creat skill and is irresistible. St. Nicholas has highly indignant at the auggestion that as shown few better numbers than this. For sale by A. Williams & Co.

The are reports in Cambridge that the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse, fiction and essay; Dr. Breen's Practice, concluding the collowing list of articles in prose and verse. brains were not particularly appropriate or tain sheep, buffalo, antelope, bison, elk, rabbit, servi cable in the cultivation of the soil and squirrel, woodchuck, and 'possum. Chicago all - There are reports in Cambridge that the

> - The Pope is described as looking much the Way; The Habitant of Lower Canada; British State Assassins and the Defence of Insan-— One of Boucicault's plays, or adaptations, ity; Hester's Dower; Socialists in a German is equally essential that the rule thus briefly disappoints the author because it excites only

laid down should be followed by men in all the receipts from internal revenue for the more than that of agriculture. It was not their rents to their tenants, which tends greatly fiscal year ending June 30, 1882, will long, nor indeed could it have been long in to quiet agitation. The small proprietors, how

does that are sunk.

-For sometime past, Mr. Gladstone has had The Popular Science Monthly for De a regular body-guard of police.

— England has been represented in Paris for Oyster-Beds, No II; Physical Education—Popular of America Oyster-Beds, No II; Physical Education Oyster-Beds, No II; Physical Educ cember contains: Deterioration of American fourteen successive years by Lord Lyons.

— They are progressing with the tunnel under tology, by Prof. Huxley; Studies of Vortexthe English Channel from Dover to Calais, at Rings; Equality and Inequality in Sex; A Half

- A Hygiene and Life Saving exposition is to pondence; and, the Editor's Department. For

sale by A. Williams & Co.

existence, and agriculture claims and obtains representation and rank beside the
highest of other respected vocations, making
its influence felt and respected in the Loriela. its influence felt and respected in the Legisla- one cent evening paper.

its influence felt and respected in the Legislaone cent evening paper.

- The only valid reason that can be given for
An Ariat's Idea of Sketching with four centre.

# Editor's Cable.

will learn in less than an hour all they will care to know of what has been going on in their absence. The daily trifles that men think so important they will care no The three recognized shadows across the perior. Among them is a likewess of Dr. Holland, the characteristic properties and depositors yesterday, at the call for this meeting is national in its characteristics. mere for than if there never had been such things, showing what little importance they really have in our lives, which are never-

St. Nicholas for December is a gift number. seventy four. He wrote Lorenzo Beavni and boctor Antonio. Beavni and for the childish pleasure, but it is done with and waited on Mr. Benyon. The latter wa

e census shows that the proportion of to the population is 1 to 574-100. The

# THE PACIFIC BANK.

The examination of the Pacific National

cide. The last is now regarded as the most sinister evil of the three.

— A Baltimore judge has fined a juryman
fweatv dollars for being ten minutes late in the
jury box. The fine will be set to eat up all his
fee.

— The present year has been a remarkable one
for the occurrence of cyclones, or tornadoes.

— The descriptive sketches by excellent
panied by full descriptive ske

for the occurrence of cyclones, or tornadoes. The most disastrous of them in this country is the one that totally destroyed New Ulm, in Minmesota.

The Emperor William of Ge, many is in a state of protracted feebleness, and he is more ambitious than ever to excel in horse-back exercises.

Heaux Arts, Buchanan's Loyalty, The Story of President Garfield's Illness, and sundry verses to the memory of Dr. Holland. The artistic surpriority of this magazine lifts it above the resch of all ordinary criticism. It is a superb production, we consider the directors of the Pacific National Bank, held this directors, the Newell's new story, the American Students at the Mean And Students at the Mean And Students at the Mean And Students at the Office of the association, the office National Bank, held this directors of the Pacific National Bank, held this directors, the Mean And Students at the Mean stockholders and depositors of the Pacific National Bank are due, and they are hereby tendered, to Col. Daniel Needbam, for his earnest efforts to ascertain the condition of the bank, as well as for the valuable suggestions he has made

The Boston Traveler says :- " As to the correspondence between Comptroller Knox erest in the Coutts Bank. A good deal of Foot Prints; The Grave of William Pene; Au- and the bank last February, after the examscandal is thus kept from the public.

— It is small sponges, or spongells, that makes the water supplied to Boston of such bad taste and odor. It was once thought it might be dead cels. Spongilla is not so repulsive by half.

— The Chinese students who went home from Hartford were kept in codinement after their arrival, to see it they subscribed to Christianity before scattering through the country.

Foot Prints; The Grave of William Pena; Austrance of this turns Statches in the Pennsylvania Highlands; in the Examiner's report that the samt of the following are the facts: It is atted in the Examiner's report that the bank's assets included notes and other business paper bearing names which he had never heard of, and that certain methods of doing business were practiced which were hard of, and the discovered; Economy in Dress; The Two Serial Novels, Anne, A Leodician; Short Stories by the author of "Cape Cod Folks," and Mrs.

Champney; and the usual Editor's Department. It is an oxtraordinarily attractive number. tioning the directors especially against the unlawful practice of loaning the bank's credit by issuing time certificates of deposit on

> Each secture at the Country Meeting will Berlioz; The Portrait of a Lady; The Parting of be followed by discussion, in which all pr are invited to participate.

disappoints the anthor because it excites only mirth where he intended to produce pathetic effects.

— English landlords are voluntarily reducing

— English landlords are voluntarily reducing to the more descriptions. The second of the more descriptions of the more descriptions of the more descriptions of the more descriptions. The contributors of the more descriptions of the more descriptions of the more descriptions of the more descriptions. The contributors of the more descriptions of the more descriptions of the more descriptions of the more descriptions. The more description of the more descriptions of the more descriptions of the more descriptions. The more description of the more descriptions of the more descriptions of the more descriptions. The more descriptions of the more de Contributors' Club; and, Books of the Month. said he must die!"
"Well-a-day! That is remarkable! I will go
this slay and get some for my poor George—I
know hops are good."—Salem Post.

The question is undergoing discussion, North America in the Ice Period; An Experiwhether the earth is drying up, and the temperature is becoming lower on that account.

A Hygiene and Life Saving approximation of the state of the same of the same

Cattle Markets.

BRIGHTON AND WATERTOWN.

duties that are now onerous, and as soon as may Prices onvention were to secure a remedy for injurie

Beef-per 100 bs. on total weight of hide, tallow and mest, extrs. \$800.850; first quality, \$700.8750; second quality, \$600.807; third quality, \$500.850; a few choice angle pares, \$900.8050; some of the poorest, bulls, &c., \$4 250.875.

disgusting than the conduct of the prisoner who ington are completely dumbfounded by what they read. The egotistical assurance of this

Hides—Brighton, 9a c # h; country lots, 748kc
Calf Skins.—12g12kc. Small hides, c.
Tailow.—Brighton, 6g7kc h; country lots, 84g6 in this country was a scene witnessed like the

Dutton are of wonderful variety, and in price range from the very lowest figures upward. They offer for appropriate Christmas gifts dolls, toys and games, cards, including the newest of Prang's, ladies neckties, handkerchiefs both silk and lace, and a list of other things that will b found recited in their advertisement in the current issue of the Ploughman. Not only is their

The Tariff Convention .- A second con

vention for considering the tariff and revenue problem has been held in New York this week,

the tormer one having recently been held in Chicago. Dr. Loring, Commissioner of Agriculture

was made temporary chairman, and addr

ected. The other two principal obje

mote its foreign commerce.

done to he American industries by the decision

ased on wrong conceptions of the law; and to

A large extent of territory was original

Massasoit by Miles Standish for a trifle in the

United States in the capital of Peru, was instruct- S A G W Max-United States in the capital or Fers, variety, and delto hold an attitude of friendly neutrality, and not to offer mediation, but to make known that the United States carnestly hoped that the terms of E Libby...

f the naval advisory board are said to have been | J ably adjusted, and an unanimous report relative to the construction of vessels for the navy has been submitted for the consideration of the Secretary of the Navy.

— Guiteau's brother testified that he regards oner morally responsible for the criminal

Our citizens are engaged in preparations for he approaching election.

- Mr. Parnell, in his last letter, says to als

followers : "Adhere firmly to the line laid down for you. The result will be not merely ee land, but an independent and prosperous Irish nation. - A question is before the Railroad Commis ers relative to the reduction of fares on the Fitchburg and Massachusetts Central Railroads. - President Chadbourne, late of Williams ollege, says that, after having been for thirt years an instructer of youth, he was satisfied

hat men of ordinary capacity can by diligence fit themselves to occupy high positions. -the original "Little Liver Pills," (beware

Domestic Markets.

The state of the s

POULTBY.

Working Oxen.-\$100g170@ ; @ handy steers, \$50g110 or much according to their value for

Pelts-75@\$1 40 each; Country lots, 75@\$1 40 elected skins. 8. Shearlings, & c each; Lamb Skins, @ each CATTLE AND SHEEP BY RAILBOAD.

2838 7,018

WATERTOWN MARKET. Union Market, Tuesday, Nov. 29, 1881 There were two quite important live sto ese, green 20 25 Widgeon, pair se, Mong'l Teel, V pair... se, wild ... 7521 25 Snipe, dozen...

... 75 1 25 Snipe, dozen...
150 2 20 Brant, # pair.
100 21 25 Yellow Legs, doz
2 00 6 40 Flover, dozen.
125 Rabbits, each...
100 Venison, # 5. 65 00 Pigs, roasting 2 000 

J. H. COOPER'S CASE. His Sufferings from Rupture

No change in prices, the supply only 10@12 wt, at 10@11c 49 tb.

About the Treatment of ORICAGO CATTLE MARKET. Cattle.—The shipping trade did not exhiiowing Evidence and a Tri

hogs were sold, however, common to the best heavy ranging at \$5 70@6 50, with the bulk at \$5 90@6 15, and light at \$5 65@6 05, with the bulk at \$5 90@6. Skips, culls, and inferior by Dr. SHERMAN, N offerings were quotable at \$4 22@5 40, as to quality.

Sheep.—There was a fairly active inquiry for fat sheep during the wask both on louding from latthe case is perma

good to choice mutton sheep at \$4.00@5.25 ff cwt; medium to fair at \$3.75@4.25, and interior to common at \$2.25@2.50.

Note.—All sales of hogs in this market are made subject to a shrinkage of 40 fbs for each plags yow and 80 fbs for each stag. Dead hogs sell at 2c 4ff fb for averages of 200 fbs and over, and at ic for averages of 200 fbs and over, and at ic for averages of less than 200 fbs.

—Prairie Farmer. BOSTON BUTTER MARKET.

some extra fancy lots being sold at as high as de, while most any finely-flavored, freshly-made creamery is held at 38c. We quote choice freshly-made creameries at 366.38c # fb, with fancy le more; fine Northern and Western June creameries at 286.30c; choice fresh Vermont dairies at 286.30c; choice fresh Vermont higher; fresh New York dairies at 286.30c; long WILLIAM FITZPATRICK, 43 Avon St. Northern dairies and fall ends at 22@28c; irn dairies at 20@26c, and Western actory at 18@20c.

Mr. J. H. Cooper-Dear Sir : Yours of Augus **QUINCY MARKET, BOSTON** ve years old and I hasten to reply; Retail Prices. ried expressly for the Ploughman for the week

ending Dec. 3.

Pork, Lard, &c.

der....10g121 Mutton, # &.... Mutton, should's.....10 g17 Sp'g Lamb, &

Dr. J. A. SHERMAN mo

and His Inquiries

Dr. J. A. Sherman.

from Moline, Ill., to New

York for Treatment,









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This Celebrated Pla pronounced unequal and efficacy by any vernin which infest the dwellin man and the domestic animals, as which creats such havoe with the foll and of human ludustry.

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St., Boston, and Fier 6 North River, New York,
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COOPER'S CASE. erings from Rupture His Inquiries the Treatment of A. Sherman. Evidence and a Trip Ioline, Ill., to New



DR. GROSVENOR'S LIVER-AID

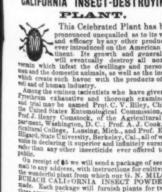
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Tickets and Staterooms secured at Company of Stateroo

# Dr. John G. Thomas of Worcester is dead. He was a native of Camden, Me., and 35 years old.

opera comique troupe, dropped dead in the Osborn house at Auburn, N. Y., Tuesday. Five persons were seriously injured Tuesday by an explosion in James Palmer's fire-John Kennedy's barn was burned on Sunday at Greenfield, Mass., together with twenty tons of hay and three cows. Loss, \$900; insurance, \$400.

A house at Revere, owned by V. R. Bowers, of Concord, N. H., was burned Monday; loss \$2500, insured. Several occupants lose about \$1000.

Fred Malley and Thomas Cahill, of Marlboro', are under arrest on a charge of highway robbery, committed on Thomas Hartnett of the same town.

Geo. Mattices of Windage set drunk in Colon Masses.

DOLLS.

Prices, 15 Cents to \$18 Mrs. Matilda Raymond of Woburn, who TOYS AND CAMES. was assaulted in her house by a strange man the 12th alt., has died of her injuries at the almshouse. She was 70 years old.

We are surpassing any display we have made in previous years in Toys and Games. Our buyers have secured many noveltles never before seen in

# CARDS.

A question widely discussed involves the relative value of the wheat, cotton, tea and hay crops of the world. Which of these most noted art establishments in

55 Tremont Street, Boston.

value of all farm products, and hence we may dec3-2t

CHRISTMAS MUSIC.

Conclusion than that the gradual decline in the produce is due to the diminishing amount of nitrogen in the sail. As far as the wheat crop is concerned it would appear that the total amount of produce to be obtained from any soil must depend very much upon the said entered by a concerned in the produce to be obtained from any soil must depend very much upon the said entered by any soil must depend very much upon the stores of nitrogen already in the land. It is more soft in the store of nitrogen already in the land. It is infest the dwellings and persons of somewith an infest the dwellings and persons of somewith an infest the dwellings and persons of somewith an infest the dwellings and persons of somewith the produce to the obtained from the atmost favorite collection.

NORWAY MUSIC ALBUM. Poetry and must of the Vikings of the North. Wild and believe that the soil obtains a certain amount of produce to the obtained from the atmost from the at

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# HARRISON'S



ESTATE OF EDWARD HARRISON,

Humphrey's Force and Lift For POULTRY Pump,

AGENTS FOR infer that two-fifths of the capital then invested in agricultural pursuits was devoted to the grass crop, and this in the United States per succession. Also a fine Suffolk Boar one prear oil.

MYSUFFOLK BOAB LIMERICK, 4 years old, winner of first prize at New England Fair two years in succession. Also a fine Suffolk Boar one prear oil. WHITTEMORE BROS., Nos. 80 & 83 South Market St.,

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FIRE INSURANCE COMPANY Cash Fund, January 1, 1881, 8425, 947, 21. Sur plus over re-insurance (234, 513.48. Gain : Cash Fund the past year, 842, 822, 32. Amour at risk, \$25, 434, 882. Total Liabilities, \$100. 533, 73. Amour paid full. Dividends paid of the control of th

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\$270,000,000,000, and this leaves a remainder of \$1,082,000,000 to be credited to the hay and grass crop of that year, when the reported aggregate of all farm products was \$2,447, the roughest approach to accuracy, the value of that crop was two-fifths of the aggregate approach to accuracy, the value of that crop was two-fifths of the aggregate approach to accuracy, the value of that crop was two-fifths of the aggregate approach to accuracy, the value of that crop was two-fifths of the aggregate approach to accuracy, the value of that crop was two-fifths of the aggregate approach to accuracy, the value of that crop was two-fifths of the aggregate approach to accuracy. The supplies the lime and the superbolation of the superbolation of the superbolation and abstacles in proportion, will be sent to:

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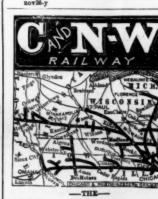
I will remember the superbolation of tests and the superbolation of tests and the superbolation of the superbolation and approach to accuracy, the value of that crop was two-fifths of the aggregate approach to accuracy, the value of that crop was two-fifths of the aggregate approach to accuracy. The supplies the lime and superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the superbolation and approach to accuracy, the value of the superbolation and approach to accuracy, the



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steps to take up the cross and bear it to the The work in this portion of the engraving is more perfect and beautiful than we had supposed could ever be exec. ted. The expressions of the faces, the grouping of the pressions of the faces, the grouping of the test place paper and are retailed by the test place paper and place pap figures, and the careful attention to detail in the drapery and accessories of the picture, are all carried out in perfection and with asummate skill. There is a very large number of figures in the work, and all are depicted with life-like faithfulness. It

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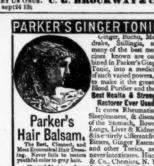
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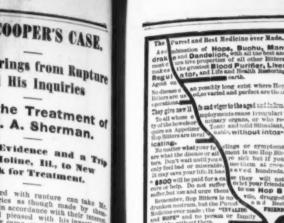
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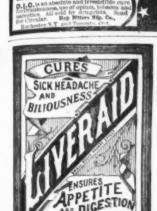
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E. WILSON, A. C. KENDALL,

Toxident St. C. Sector St. Sector St. C. Sect

Geo. Mattice of Windsor got drunk in Adams last Friday, and his borse ran and large shipments from abroad of all kieds of Dolls, in Parian, Wax, China, etc.; Dressed Dolls with REAL HAIR, Dolls' Heads, Bodies, Tollets, Dresses. John C. Sharpe, Jr., of Taunton, on attaining his 21st year, was presented by his father with the Canoe River Mill, which when stocked with machinery will cost about

THE GREATEST CROP OF THE

[Prairie Farmer.] ANOUNT S LIVER-AID

IN NOT A PAD.

INSERTING A P

balf the selling price in large cities, would amount to \$405,000,000, and is far greater than the aggregate home value of the cotton crop or eny other crop. But the "cured" havis but a portion of the grass crop. The ther portion is used on the ground, and it requires considerable calculation to get at the value so used, even in the roughest way. In the first place, live stock, including formed cattle, horses, sheep, swine, etc., to remet in such headache. He says it is not advertised for such headache. He says it is not advertised for such. If hope you will let it become here known as Mas. M. A. SHIVLER, horses, sheep, swine, etc., to Mas. M. A. SHIVLER, the value of \$1,525,000,000, were fed from it that year. Averaging the lives of these at five years, we have one-fifth of that sum as representing the grass fed to them it.

at five years, we have one-fifth of that sum as representing the grass fed to them ivalue of the animals slaughtered for food in that year to be \$309,000,000; next, we find the year to be \$309,000,000; and as this is annual product, the whole of it will, for the present be credited to the grass crop; resulting the first present be credited to the grass crop; the we find that the butter crop of 1870 was \$14,000,000 pounds, which, at the low average of twenty-five cents, amounts to \$128,000,000,000, and this goes to the credit of grass; next, we have 225,000,000 gallons of milk, which, averaged at the low estimate of ten cents per gallon, adds \$25,000,000 more to the credit of the grass crop; then we have 100,000,000 pounds of wool at twenty-five cents a pound, adding \$25,000,000 more, and finally, \$3,000,000 pounds of cheese at ten cents, adding over \$5,000,000 to the total of these credits to the grass crop of 1870 which excepts to the grass crop of 1870 which excepts the grass crop of 1870 which excepts the first summer to \$1.00,000,000 pounds of whole the grass crop of 1870 which excepts the grass crop is the grass crop of 1870 which excepts the grass crop is the grass crop of 1870 which excepts the grass crop is the grass crop of 1870 total of these credits to the grass crop of 1870, which aggregates \$887,000,000.

Now let us add the value of the "hay" crop as given above—viz.. \$405,000.000—and we have a grand total for "hay" and and we have a grand total for "hay" and the product of grass consumed on the ground amounting to \$1,292,000,000. This is, of course, subject to deduction, as the meat, butter, milk, cheese, and wool-producing animals consume other food beside grass and hay. To make ample allowance for this, we deduct the entire value of the corn and oats crop of 1870, estimated at \$270,000,000, and this leaves a remainder of \$1.082,000,000 to be credited to the hay of \$1.082,000,000 to \$1.082,000,000 to \$1.082,000 to \$1.082,000,000 to \$1.082,000 to \$1.082,0

rom these figures the deduction is palpa-

EXHAUSTION OF SOIL. The following from the pen of Dr. J. R. Lawes, to the London Agricultural Gazette, is worthy of the attention of all farmers:

It is now exactly forty years since we began to exhaust a portion of one of my fields by continuous unmanured wheat crops. It may be interesting to show the evidence we are in a position to bring forward upon the subject of exhaustion as regards the soil at Rothamstead. It would appear probable that the annual decline due to exhaustion may amount from one-quarter to one-third of a bushel of wheat per annum. If we take the smaller quantity and add to it the ordinary proportion of straw, the result would be equivalent to about forty pounds of produce; and there is but little doubt the bulk of the organic matter of the crop is obtained from the atmisphere the amount of matter annually taken from the soil by these forty pounds of produce (including the nitrogen it contained) would be between two and three pounds. The evidence derived from other experiments in the same field.

SPECIAL NOTICE

To the Sick and Dying.

By C. H. JOHNSON, the old Botanic chysician and Herbalist so many years on lianover Street, author of the mode of transment and therbalist so many years on lianover Street, author of the mode of transment and interesting fill in the immediate of the transment of the form of gazet value of the bulk of the organic matter of the crop is obtained from the atmisphere the amount of produce; and there is but little doubt the bulk of the organic matter of the crop is obtained from the atmisphere the amount of matter annually taken from the soil by these forty pounds of produce (including the nitrogen it contained) would be between two and three pounds. The evidence derived from one to five pounds of produce (including the nitrogen it contained) would be between two and three pounds. The evidence derived from one to five pounds of produce (including the nitrogen it contained) would be between two and three pounds. The evidence derived from one to five pounds of produce (including the nitr The following from the pen of Dr. J. R.

matter annually taken from the soil by these forty pounds of produce (including the nitrogen it contained) would be between two and three pounds. The evidence derived from other experiments in the same field proves that the decline in produce is due to an absence of nitrogen as also that minerals are in excess, but the actual amounts of nitrogen that these forty pounds of produce would have contained would be less than one-half pound in weight! It will, I am afraid, appear to your agricultural readers something like an absurdity to suppose that one-half pound, more or less, of any sub-

would have contained would be less than one-half pound in weight! It will, I am afraid, appear to your agricultural readers something like an absurdity to suppose that one-half pound, more or less, of any substance upon an acre of ground could have an appreciable influence upon a crop. I may observe, however, that this annual decline of forty pounds of produce, small as it appears to be, amounts in forty years to ten bushels ner acre. bushels per acre.

Analysis of the soil made at different times show that the nitrogen is decining, and as the free use of the minerals in an ad-

with the products of the class are away every year more or less nitry de thorough examination fred. C. V. Riley, Chiefor idogical Commission, and of the Agricultural Dec.; Prof. A.J. Cook, Ag dent that the source from which the fort crops obtained their supply must have been the stores of nitrogen already existing in the soil when the experiment commenced.

REGULATE THE SECRETIONS.—In our endeavors to preserve health it is of the utmost importance that we keep the secretory system in perfect condition. The well-known remedy Kidney-Wort, has specific action on the kidneys, liver and bowels. Use it instead of dosing with vile bitters or drastic pills. It is purely vegetable, and prompt in action. It is prepared in both dry and liquid form, and sold by druggists

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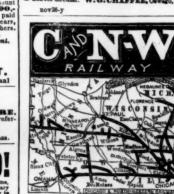
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G. WEBBER, No. 34 Glens Building,

SACHUSETTS PLOUGHMAN AND NEW ENGLAND JOURNAL OF AGRICULTURE. -- BOSTON, SATURDAY, DECEMBER 5, 1000
THE STATE OF THE STAT The standard and the st his arm the initials of friends of the observers, who had passed on.

Mr. Evelyn was wise in that he did not call it supernatural for if done, it was simply natural, though in accordance with laws, as yet but poorly understood. There are doubless, "more things in philosophy than have yet been dreamed of."

The practice of burying in the grounds about churches of England was common in his day, and was introduced into New England by our first settlers. In London it was adoubtless carried to a very questionable extent. Oct. 17, 1671 be records—

"I observed that most church-yards (thosome of them large enough), were filled up without a quorum; but sent the sergeant-at-arms out with orders to bring in the deliquent members. After an hour or so that functionary returned, followed by about a dozen members of the Ohio Leg-

Havenmattem, Weakness.

I have been practising medicine for 25 years, a an as a remedy for Scrophila, Licer Complaint, Dygnes sia, Rhaumatism, Weakness, and all diseases of thood, I have never found its equal. I have so yes years and have never had nob bot yestene for 7 years and have never had nob bot in need of a blood purifier.

The sept. 18, 1878. White, I own.

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fresh and vigorous.

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are arms, seems of cough on lying down or arising in the coming. All these distressing symptoms gradually at surely disappear.

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VOLUME XLI::::

MASSACHUSETTS PLOUGHMAN ENGLAND AND AGRICULTURE Official Organ of the N. E. Agricultural Social

AURD WEEKLY AT " PLOUGHMAN BUILDING.

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Editorial.

EXPERIMENTS WITH POTATOES. We have so little positive knowledge i regard to the quality and quantity of pota

toes that it is best to plant, that there is a great variety of opinions as to the size of the potatoes, the number of pieces to the hill, and which end of the potato it is best to plant. Many entirely overlook the fact that the potatoes are not the seed, but simply a root or tuber. This fact lost sight of, many base their theories upon false premises, and draw conclusions that are of lit tle value. If the notate was the true seed there would be but little doubt that by planting the largest and best specimens, it would result in the improvement of the quality of the product. But as they are not the true seed, are not a new life secured through the principle of reproduction, but simply a continuation of the old life secured continuation of vegetable growth, there is but little more certainty of getting large potatoes, by planting large ones for seed, than there would of getting large apples by setting large cions. If we keep con tinually in mind the fact that we are continuing the same life, by planting the tuber hich always reproduces the same var as to what it is best to plant. We shall be-

gin to refer that health, in a tuber, is of more owner, uence than size.

Observation teaches us that the potato which will send up the largest and most vigorous stalk is the best, whether it be a whole potato, small or large, or it be from the seed end or the large end.

Careful experiments have taught that the larger the piece of potato to each eye, the more vigorous and the larger will be the stalk, when it first appears above ground; application of manure, and high culture, will overcome the disadvantages caused by a very small amount of potato to each eye. From this it is fair to conclude that the vigor of the stalk of a large piece of potato is not caused by any difference in the seed, except the quantity and the health of the potato planted, and that the notato itself mparts nourishment to the young sprout he soil. If the soil be very rich, the little roots that grow from the sprout will soon gather up the fertilizers from the sail in suf ficient quantities to push the stalk into a ishment of the potato; but if the land be poor, the little roots will be able to draw from the soil but very little at first, and so must depend upon the potato for support, over the ground sufficient to draw nourishment from a large surface. Thus it will be seen that while light seeding may do for But in planting large potatoes, or large pieces of potatoes, we encounter a serious difficulty, which is, a large number of eyes, and thus a multitude of stalks with only a

small amount of potato to each. To avoi this, all but one or two eyes may be cut out This takes time, and raises the question, Does it pay? Another method may be re-

stalks after they come up. This also requires time, and very few persons practice either, except for experiments. A whole po-tate planted will send up a sprout in less

erop of early potatoes is desired, it is the

best policy to plant whole potatoes instead The following experiments were tried th past season. The first was to ascertain which end of the potato would secure the best results. A piece was first cut off the seed end of the potato, then a piece, as nearly as possible, of the same size cut from the opposite end. All but two eyes were cut m each piece. Two pieces were dropped in each hill. That there might be no possible chance for a difference in the soil or culture, the pieces cut from the seed end were planted in alternate hills, with those cut from the other end. The result at harvesting was as follows: Whole amount from the seed out from the large end of the potato, 21 pounds, of which 13 1-2 pounds were large and 61-2 were small potatoes. Whole amount from seed cut from the seed end, 27 pounds, of which 21 1-2 pounds were large and 6 1-2 were small potatoes. The tops of the pototoes that came from the seed end looked the best throughout the season, and were earlier than the others, but the potatoes were not as smooth, the worms having eaten them more, and quite a number good sized potatoes were rotten, which were not included in the above weight. Had it not been for the worms and the rot, the weight would probably have exceeded 30 pounds. The reason why the potatoes from the seed cut from the large end did not

receive any injury from the rot or the worms The accord experiment was to ascertain which is best for seed, small whole potatoes, or large cut. The small potatoes selected were about one inch in diameter, and the large ones would weigh about three-fourths of a pound each. The pieces were cut to a size, to correspond in weight to the small















